Prarancangan Pabrik Garam Industri dengan Proses MF-NF/MCr-RO/MCr dengan Kapasitas 250.000 Ton/tahun
NINA VANIA, Prof. Dr. Ir. Bakti M.Sc., IPU
Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

DAFTAR PUSTAKA

Ahmed, Enas M. 2013. *Hydrogel: Preparation, Charaterization, and Application: AReview*. Journal of Advanced Research 6(2). Egypt: National Research Center. Alimah, Siti, Parapak, Bandi. 2008. *Studi Teknologi Intake untuk Pendingin Kondensor dan Instalasi Desalinasi pada PLTN. D.I*. Yogyakarta: Pusat Pengembangan Energi Nuklir-BATAN.

Amelia, P.U. 2016. *Efektivitas Program Pemberdayaan Usaha Garam Rakyat (Pugar) dalam Meningkatkan Ekonomi Petambak Garam di Kecamatan Kalianget Kabupaten Sumenep*. Publika-Jurnal UNESA Vol. 4, No. 9

ANONIM, *Carlsbad Seawater Desalination Project Alternatives To The Proposed Intake*, Poseidon Resources Corporation, March 2, 2004.

ANONIM, *Draft Lease Amendment to PRC 8727.1 for The Proposed Use of The Existing Intake and Outfall Channels and Jetties Located at The Pacific Ocean and Agua Heionda Lagoon*, Adjacent to 4600 Carlbad, San Diego Country, January 22, 2008.

ANONYMOUS, Feedwater Intake Working Paper, *California Water Desalination Task Force, Feedwater Intake issue Pape*r, Revised Draft 09/12/2003

Arch Chemical, Inc. 1999. *Safety and Handling of Hydrazine Solution.* Washington DC.

Aries, R. S. and Newton, R. D., 1955, *Chemical Engineering Cost Estimation*, pp. 1-16; 52; 77-78; 97-119; 163-164; 177; 185-197; 203-209, McGraw-Hill Book Company, Inc., New York.

Badan Pusat Statistik. 2021. *Kabupaten Sumenep dalam Angka 2021*. www.sumenepkab.bps.go.id, diakses pada 18 April 2022

Badan Pusat Statistik. 2018. *Data Ekspor-Impor Menurut Komoditi*. www.bps.go.id, Oktober 2021.

Badan Pusat Statistik Kabupaten Gunung Kidul. 2021. *Jumlah Penduduk Kabupaten Gunung Kidul Semester II Tahun 2021*. www.gunungkidulkab.bps.go.id, diakses pada 22 Mei 2022

Brombach, Hansjoerg, Weiss, Gefen, Pisano, William C. 2008. *Clarifier-Type CSO*

Prarancangan Pabrik Garam Industri dengan Proses MF-NF/MCr-RO/MCr dengan Kapasitas 250.000 Ton/tahun
NINA VANIA, Prof. Dr. Ir. Bakti M.Sc., IPU
Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

Tank: Hydraulic Design for Optimum Sedimentation Efficiency. Edinburgh: 11th International Conference on Urban Drainage

Cath, T., Adams, V., Childress, A. 2004. *Experimental Study of Desalination Using Direct Contact Membrane Distillation: A New Approach to Flux Enchancement*. Journal of Membrane Science, vol. 228: pp. 5-16

Crowl, D.A, Louvar, J.F. 2002. *Chemical Process Safety.* Prentice Hall. New Jersey.

Damayanti, A., Ayuningtyas, R. 2010. *Karakteristik Fisik dan Pemanfaatan Pantai Karst Kabupaten Gunung Kidul*. Makara of Technology Series, 2(2):10

Dewanti, D., Arifudin, R., Adhi A., Saraswati, S., Djangkung, S., Murti, J., Prayitno, D., Arif, D., Santoso. 2021. *Kajian Lingkungan Pengembangan Produksi Garam Industri di Indonesia*. Jurnal BPPT, 14(2), pp.146-155

DETLEF GILLE, *Seawater Intakes for Desalination Plant*, Taprogge Gesellcaftmbbl, Germany, 2003

Dogan, Sifa, Kidak, Rana. 2015. *A Plug Flow Reactor Model for UV-Based Oxidation of Amoxicillin*. Desalination and Water Treatment vol. 57. Turkey: Department of Enviromental Engineering, Cyprus International University.

Drioli, E., Di Profio, G. and Curcio, E. 2012. *Progress in Membrane Crystallization. Current Opinion in Chemical Engineering*, 1(2), pp.178–182.

Effendy, Mahfud, Zainuri, Muhammad, Hafiluddin. 2015. *Intensifikasi Lahan Garam Rakyat di Kabupaten Sumenep*. Program Studi Ilmu Kelautan, Universitas Trunojoyo Madura

Erlbeck, L., Wossner, D., Schlachter, K., Kunz, T., Mether, F. J., Radle, M. 2019. *Investigation of a Novel Scraped Surface Crystallizer with Included Ice-Pressing Section as New Purification Technology*. Berlin: Separation and Purification Technology, vol. 228.

FICHTNER, *Operation of The Intake*, Sydney's Desalination Project Preferred Project Report, 2005.

Firmansyah, M., Junita, D., Farizkha, I. A. 2017. *Faktor Pengembangan Kawasan*

Prarancangan Pabrik Garam Industri dengan Proses MF-NF/MCr-RO/MCr dengan Kapasitas 250.000 Ton/tahun
NINA VANIA, Prof. Dr. Ir. Bakti M.Sc., IPU
Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

Tambak Garam (Studi Kasus: Kabupaten Sumenep). J. Tek. Sipil, pp. 27-36.

Global Asset Protection Services LCC. 2015. *Oil and Chemical Plant Layout and Spacing*. Constitution Plaza. Connecticut.

Garcia-Amezquita, L.E., Welti-Chanes, J., Vergara-Balderas, F.T., Bermudez-Aguirre, D.16. *Freeze Drying: The Basic Concept. Encyclopedia of Food and Health 2016*, pp 104-109

Hanafi, M. F. I. M., Bahreinineja, Ardeshir, Uddin, Naseem. 2021. *Optimization of Shell and Tube Heat Exchanger Using The Water Cycle Algorithm*. IOP Conference Seies Materials Science and Engineering 1173(1): 012005

Hanshik, Chung, Jeong, Hyomin, Jeong, Kwang-Woon, Choi, Soon-Ho. 2016. *Improved Productivity of The MSF (Multi-Staged Flashing) Desalination Plant by Increasing the TBT (Top Brine Temperature).* Proceedings of the ICE – Energi 107:683-692

Hassan, Ahmed Farid Saad Ayad. *Experimental and Computational Study of Semi-Open Centrifugal Pump*. Thesis for: Master.

http://www.alibaba.com/, diakses pada tanggal 18 November 2022

http://matche.com/equipcost/, diakses pada tanggal 18 November 2022

http://www.mhhe.com/, diakses pada tanggal 18 November 2022

Ismail, A.F. and Goh, P.S. 2015. *Microfiltration Membrane*. Encyclopedia of Polymeric Nanomaterials, pp.1250–1255

Izadpanah, A.A. and Javidnia, A. 2012. '*The ability of a nanofiltration membrane to remove hardness and ions from diluted seawater'*, Water (Switzerland), 4(2), pp. 283–294

Karabelas, Anastasios J., Plakas, Konstantinos Vasilios. 2011. *Membrane Treatment of Potable Water for Pesticides Removal*. Herbicides: Theory and Application, chapter 18.

Khalili, Maryam, Shamsabadi, Akbar Alidadi, Janaki, M.M., Janaki, D.M. 2014. *Examination of Application and Function of Two-Phase Pumps*. India Journal of Science and Technology 7(8): 1060-1065

Kostick, D.S. 1993. *The material flow of salt*. Washington, D.C.: U.S. Dept. Of The

Prarancangan Pabrik Garam Industri dengan Proses MF-NF/MCr-RO/MCr dengan Kapasitas 250.000 Ton/tahun
NINA VANIA, Prof. Dr. Ir. Bakti M.Sc., IPU
Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

Interior, Bureau Of Mines.

Korovessis, Nikolaos A. Lekkas, T.D. 2009. *Solar Satworks' Wetland Function*. Global Nest Journal Vol. 11, No. 1, pp.49-57

Kramer, Herman J.M. Lakerveld, Richard. 2019. *Handbook of Industrial Crystallization, chapter 7.* Cambridge: Cambridge University Press, pp. 197-215

Lopez, Joaquin Suarez, Burgos, Alfredo Jacome, Rodriguez, Pablo Ures. 2015. *Sludge Thickening (FS-FNG-001).* Technologi Fact Sheets For Effluent Treatment Plants in Textile Industry: Universidade Da Coruna

Marketsandmarkets. 2017. *Industrial Salt Market by Source (Rock Salt, Natural Brine), Manufacturing Process (Conventional Mining, Vacuum Evaporation, Solar Evaporation), Application (Chemical Processing, DeIcing, Water Treatment, Oil & Gas), and Region* – Global Forecasts to 2022. www.marketsandmarkets.com, diakses pada 20 April 2022.

Material Safety Data Sheet.

Maximize Market Research PVT. LTD. 2020. *Global Organic Sea Salt Market: Industry Analysis and Forecast (2020-2026) by Type, Species, Salt Size, Distribution Channel, and Region*. www.maximizemarketresearch.com, diakses pada 20 April 2022.

Mersmann, A. 1995. *Crystallization Technology Handbook*. New York: Marcel Dekker

Metcalf & Eddy, Inc. 2003. *Wastewater Engineering Treatment and Reuse*. McGraw Hill Companies, Inc.

Mordor Intelligence. 2021. *Industrial Salts Market - Growth, Trends, Covid-19 Impacts and Forecasts (2022-2027).* www.mordorintelligence.com, Oktober 2021.

Mrugalska, Beata, Akielaszek-Witchzaak, Anna, Stetter, Ralf. 2014. *Robust Quaality Control of Products with Experimental Design.* Conference: Popescu, D. (ed.) pp 343-348

Muswerry, Muchtar. 2015. *Sumber daya laut: di perairan pesisir Gunung Kidul, Yogyakarta*. Jakarta: LIPI Press.

Prarancangan Pabrik Garam Industri dengan Proses MF-NF/MCr-RO/MCr dengan Kapasitas 250.000 Ton/tahun
NINA VANIA, Prof. Dr. Ir. Bakti M. Sa'ad, IPU
Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

NSF International. 1996. *Environmental Management System*. Michigan. Occupational Safety and Health Act. 2000. *Process Safety Management*. U.S. Department of Labor.

Oreopoulou, Vasso, Russ, Winfried. 2009. *Utilization of By-Products and Treatment of Waste in The Food Industry, in Experiments in Unit Operation and Processing of Foods.* Springer

Panos, Ines, Acosta, Nick, Heras, Angeles. 2009. *New Drug Delivery Systems Based on Chitosan.* Current Drug Discovery Technologies 5(4): 333-41

Peraturan Pemerintah Republik Indonesia No. 41 Tahun 1999 tentang Pengendalian Pencemaan Udara

Peraturan Menteri Negara Lingkungan Hidup No. 03 Tahun 2010 tentang Baku Mutu Air Limbah bagi Kawasan Industri

Perry, R.H., 1999, "*Perry's Chemical Engineer's Handbook*", 7 ed., p. 2.37-2.38, New York, McGraw-Hill Book Company.

Peters, M. S. and Timmerhaus, K. D., 1991, *Plant Design and Economics for Chemical Engineers, 4th ed.*, pp. 150-209; 618-686; 708-713, McGraw-Hill Book Company, Inc., New York.

Phiciato, Phiciato, Yaskuri, Dedi. 2017. *Dual-Stage Dryer Process of Lignite Using Pilot Scale Coal Rotary Dryer.* International Journal of Coal Preparation and Utilization 39(1)

PPEN-BATAN, *Bid Invitation Specification (BIS) of The First Nuclear Power Plant at Peninsula Region Central Java*, Vol. 6.3, BATAN, 2006.

Qrenawi, Luay, Rabah, Fahid. 2021. *Sludge Management in Water Treatment Plants: Literature Review.* International Journal of Environment and Waste Management 27(1):93

Ramli, Wan. 2003. 9 *Drum Dryers*. L.L.C: Taylor & Francis Group

Rundo, Massimo. 2017. *Models for Flow Rate Simulation in Gear Pumps: A Review.* Energies 10(9): 1261

Rosyida, Pramita, Santoso, Eko Budi. 2020. *Pengembangan Infrastruktur Tambak Garam Rakyat Berdasarkan Zonasi pada Kawasan Pegaraman di Kabupaten Pamekasan.* Jurnal Teknik ITS Vol. 9, No. 2

Prarancangan Pabrik Garam Industri dengan Proses MF-NF/MCr-RO/MCr dengan Kapasitas 250.000 Ton/tahun
NINA VANIA, Prof. Dr. Ir. Bakti M.Sc., IPU
Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

Satterfield, Charles N. 1975. *Trickle-Bed Reactors*. AIChE Journal vol. 21, no. 2. Cambridge, Massachusetts: Departement of Chemical Engineering, Massachusetts Institute of Technology

Sharma, Ashutosh. 2019. *Experimental Evaluation of A Centrifugal Packer - Typer Downhole Separator.* Thesis for: Master of Science

Sinnott, R. K., 1983, "*Coulson & Richardson's Chemical Engineering Series : Chemical Engineering Design*", Chemical Engineering vol. 6 4th ed., Elsevier Butterworth-Heinemann, Oxford.

Suherman, Suherman, Hidayati, Nur. 2019. *Evaluation Performance of Pneumatic Dryer for Cassava Starch.* Reaktor 18(4): 216-223

Sundararajan, Parani, Oluwafemi, Oluwatobi Samuel. 2021. *Membrane Distillation: Recent Configuration, Membrane Surface Engineering, and Applications.* Membranes 11(12): 934

Swaminathan, Jaichander, Chung, Hyung Won, Warsinger, David M., Lienhand, John H. 2016. *Simple Method for Balancing Direct Contact Membrane Distillation*. Desalination, vol. 383: pp. 53-59.

Tirawanichakul, Supawan, Tirawanichakul, Yutthana. 2008. *Drying Strategy of Shrimp Using Hot Air Convection and Hybrid Infrared Radiation/Hot Air Convection.* Walailak J Sci & Tech 2008; 5(1): 77-100

Tomaszewska, M. 2016. *Air Gap Membrane Distillation (AGMD). Encyclopedia of Membranes.* Berlin: Springer

TOM PANKRATZ, *An Overview of Seawater Intake Facilities for Seawater Desalination*, CH2M Hill, Inc., 2004.

TOM PANKRATZ, *Seawater Desalination Intake & Pretreatment Technologies*, International Seminar on Water desalination Technologies, Iran, Nov 2006.

Ulrich, G. D., 1984, *A Guide to Chemical Engineering Process Design and Economics*, pp. 324-329, John Wiley and Sons, Inc., New York.

Valdes, Hugo, Romereo, Julio, Saavedra, Aldo. 2009. *Concentration of Noni Juice by Vatavu*k, William M., 2002, Updating the CE Plant Cost Index, www.che.com, New York

Vojtesek, Jiri, Dostal, Petr. 2005. *From Steady-State and Dynamic Analysis to*

Prarancangan Pabrik Garam Industri dengan Proses MF-NF/MCr-RO/MCr dengan Kapasitas 250.000 Ton/tahun
NINA VANIA, Prof. Dr. Ir. Bakti M.Sc., IPU
Universitas Gadjah Mada, 2023 | Diunduh dari http://etd.repository.ugm.ac.id/

Adaptive Control of The CSTR Reactor. Preceedings 19th European Conference on Modelling and Simulation. Czech Republic: Department of Process Control, Institute of Process Control and Applied Informatics, Tomas Bata University in Zin. Means of Osmotic Dehydration. Journal of Membrane Science 330(1): 205-213

Wenten, I.G. et al. 2017. *Integrated processes for desalination and salt production: A mini review.* AIP Conference Proceedings. 1818(March 2017)

Yuliastuti, Rieke, Cahyono, Handaru Bowo. 2020. *Pemanfaatan Limbah Cair Cucian Industri Garam sebagai* $Mg(OH)_2$. Jurnal Teknologi Lingkungan Vol. 21, No. 2. Balai Riset dan Standardisasi Industri Surabaya

Zhang, Dejiang, Xu, Shijie, Du, Shichan, Wang, Jingkang, Gong, Junbo. 2017. *Progress of Pharmaceutical Continuous Crystallization. Cina: School of Chemical Engineering and Technology, State Key of Laboratory of Chemical Engineering*, Tianjin University.